

Amendments to the specification:

Kindly replace the paragraph 4 on page 9, beginning at line 11, and replace it with the following revised paragraph:

Figure 6 illustrates a transmit rate throughput comparison for bursty traffic for RED 706, RED with hysteresis-~~704~~ 702, Shock Absorber Random Early Detection (SARED) 708 and SARED with hysteresis 704. Further information about SARED is set forth in commonly-assigned U.S. patent application entitled "FLOW CONTROL IN COMPUTER NETWORKS", serial number 10/160,507, filed June 3, 2002, which is incorporated herein by this reference. For Both RED and SARED queue management schemes, there is a considerable improvement in the transmit rates for bursty traffic when hysteresis is applied to the scheme.

Kindly replace paragraph 5 on page 11, beginning at line 20, with the following revised paragraph:

Further information about BAT is set forth in commonly-assigned U.S. patent applications entitled "METHOD AND SYSTEM FOR PROVIDING DIFFERENTIATED SERVICES IN COMPUTER NETWORKS", serial number 09/448,197, filed Nov. 23, 1999, now U.S. Patent No. 6,657,960 B1, issued to Jeffries et al. on December 2, 2003; and "METHOD AND SYSTEM FOR CONTROLLING FLOWS IN SUB-PIPES OF COMPUTER NETWORKS", serial number 09/540,428, filed March 31, 2000, both of which are incorporated herein by this reference.